110	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brasss threaded fittings including fixing thepipes with the clamp at . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (External works 50 mm dia pipe nominal OD pipes, complete as per the direction of the Engineer in-charge.	Mtr	175	454.00	Rupees Four hundred and fifty four only
111	Providing and fixing unplastisied PVC Pipes 10 Kg/Sq Cm working pressure Chemp plast/ Wavin or equavalent make with pipe fittings making good the floor, including cost of materials, labour charges, HOM of equipement & testing complete as per specifications.A) 110 mm dia, complete as per the direction of the Engineer in-charge.	Mtr	100	636.00	Rupees Six hundred and thirty six only
112	Providing and fixing unplastisied PVC Pipes 10 Kg/Sq Cm working pressure Chemp plast/ Wavin or equavalent make with pipe fittings making good the floor, including cost of materials, labour charges, HOM of equipement & testing complete as per specifications.B) 160 mm dia, complete as per the direction of the Engineer in-charge.	Mtr	50	1315.00	Rupees One thousand three hundred and fifteen only
113	Providing stone ware gully trap of approved quality and fixing in C C 1:2:4 and plastering with C M 1:3 where ever necessary (Rate including cost of all materials, fixtures and lead). complete as per the direction of the Engineer in-charge.	Each	10	330.00	Rupees Three hundred and thirty only
114	Constructing brick masonry inspection chamber 600 x 600 mm , and 450 mm depth, (clear dimension) for single pipeline, using table moulded non- modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 600x600 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M15 with 20mm and downsize granite metal, foundation concrete M5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	5	8914.00	Rupees Eight thousand nine hundred and fourteen only

Contractor

Executive Engineer (Project)
Bruhat Bangalore Mahanagar Palike
Rajarajeshwari Nagar Zone

Exec.Engineer(P)

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115	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 450x450 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M15 with 20mm and downsize granite metal, foundation concrete M5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	12	5565.00	Rupees Five thousand five hundred and sixty five only
116	Extra depth beyond 450 mm and brick masonry chamber with table moulded non- modular bricks of class designation 50 in cement mortar 1:5, for every 150 mm depth or part there of including cost of materials, labour charges, curing complete as per specifications, complete as per the direction of the Engineer in-charge.	Each	12	765.00	Rupees Seven hundred and sixty five only
117	Constructing brick masonry inspection chamber 500x700mm, and 450mm depth, (clear inside dimension) for pipeline with one are two inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 450x450 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M15 with 20mm and downsize granite metal, foundation concrete M5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. complete as per the direction of the Engineer in-charge.	Each	4	8270.00	Rupees Eight thousand two hundred and seventy only
118	depth beyond 450 mm and brick masonry chamber with table moulded non- modular bricks of class designation 50 in cement mortar 1:5,for every 150 mm depth or part there of including cost of materials, labour charges, curing complete as per specifications, complete as per the direction of the Engineer in-charge.	Each	4	852.00	Rupees Eight hundred and fifty two only
119	Making wall bores in brick masonry walls up to 0.45 Cm Thick. Including cost materials, labours, HOM Complete as per Specification. complete as per the direction of the Engineer in-charge.	Each	26	133.00	Rupees One hundred and thirty three only
120	Making wall bores in Stone masonry walls up to 0.60 to 90 Cm Thick. Including cost materials, labours, HOM Complete as per Specification. complete as per the direction of the Engineer in-charge.	Each	15	345.00	Rupees Three hundred and forty five only

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Exec.Engineer(P)
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Rajarajeshwari Nagar Zon

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121	Providing & Fixing on wall surface 4.0 Kg/sqcm HDPE rain down water pipes 110 mm outer dia approved make and brand with necessary specials like shoes, bends, and offsets fixed with iron clamps, wall plugs ,screws, including cost of materials, labour, curing complete as per specifications, complete as per the direction of the Engineer in-charge.	Each	56	538.00	Rupees Five hundred and thirty eight only
122	Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using 1100V grade, copper conductor flecxible multistrand FRLS PVC insulated, 2x.1.5Sqmm cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block.complete for each outlet. a) Short point upto 3.0M from tapping point to outlet via switch box, complete as per the direction of the Engineer in-charge.	point	50	210.00	Rupees Two hundred and ten only
123	Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using 1100V grade, copper conductor flecxible multistrand FRLS PVC insulated, 2x.1.5Sqmm cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block.complete for each outlet. b) Medium point above 3.0M upto 6.0M from tapping point to outlet via switch box, complete as per the direction of the Engineer in-charge.	point	80	288.00	Rupees Two hundred and eightyeight only
124	Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using 1100V grade, copper conductor flecxible multistrand FRLS PVC insulated, 2x.1.5Sqmm cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block.complete for each outlet. c) Long point above 6.0M upto 10.0M from tapping point to outlet via switch box, complete as per the direction of the Engineer in-charge.	point	40	420.00	Rupees Four hundred and twenty only
125	Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using 1100V grade, copper conductor flecxible multistrand FRLS PVC insulated, 2x.1.5Sqmm cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block.complete for each outlet. d) Two outlet in a row, above 3.0M upto 6.0M from tapping point to outlet via switch box, complete as per the direction of the Engineer in-charge.	point	10	552.00	Rupees Five hundred and fifty two only
126	Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using 1100V grade, copper conductor flecxible multistrand FRLS PVC insulated, 2x.1.5Sqmm cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block.complete for each outlet. e) Three outlet in a row, above 6.0M upto 10.0M from tapping point to outlet via switch box, complete as per the direction of the Engineer in-charge.	point	2	787.00	Rupees Seven hundred and eightyseven only

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Executive Engineer (Project)
Bruhat Bangalore Mahanagara Palike
Exec. Engineer
Rajarajeshwari Nagar Zone

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127	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.Cwall a)1-3Way complete as per the direction of the Engineer in-charge.	Each	10	110.00	Rupees One hundred and ten only
128	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.Cwall b)6 Way, complete as per the direction of the Engineer in-charge.	Each	10	140.00	Rupees One hundred and forty only
129	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.Cwall c) 8Way, complete as per the direction of the Engineer in-charge.	Each	30	160.00	Rupees One hundred and sixty only
130	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.Cwall d) 10-12Way, complete as per the direction of the Engineer in-charge.	Each	30	180.00	Rupees One hundred and eighty only
131	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. a)1-3Module, complete as per the direction of the Engineer in-charge.	Each	10	125.00	Rupees One hundred and twenty five only
132	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. b)6 Module, complete as per the direction of the Engineer in-charge.	Each	10	200.00	Rupees two hundred only
133	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. c)8 Module, complete as per the direction of the Engineer in-charge.	Each	30	220.00	Rupees two hundred and twenty only
134	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. d) 10-12Module, complete as per the direction of the Engineer in-charge.	Each	30	250.00	Rupees two hundred and fifty only
135	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 a) 6Amps one Way, complete as per the direction of the Engineer in-charge.	Each	150	85.00	Rupees eighty five only
136	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 b) 6Amps Two way, complete as per the direction of the Engineer in-charge.	Each	6	140.00	Rupees One hundred and forty only

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Executive Engineer (Projects)
Bruhat Bangalore Mahanagar
Rajarajeshwari Nagar Zone

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137	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 c) 6Amps 3way socket, complete as per the direction of the Engineer in-charge.	Each	40	140.00	Rupees One hundred and forty only
138	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 d) Steeped fan Regulator, complete as per the direction of the Engineer in-charge.	Each	50	350.00	Rupees Three hundred and fifty only
139	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 e) 16Amps one way switch, complete as per the direction of the Engineer in-charge.	Each	20	125.00	Rupees One hundred and twenty five only
140	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 f) 6Amps Bell push, complete as per the direction of the Engineer in-charge.	Each	2	120.00	Rupees One hundred and twenty only
141	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 g) 6/16Amps universal socket, complete as per the direction of the Engineer in-charge.	Each	30	170.00	Rupees One hundred and seventy only
142	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 h) TV/Telephone socket, complete as per the direction of the Engineer in-charge.	Each	6	100.00	Rupees One hundred only
143	Supply and fixing of 6Amps bell buzzer on existing switch board. complete as per the direction of the Engineer in-charge.	Each	2	120.00	Rupees One hundred and twenty only
144	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary a) 19mm dia 2mm thick, complete as per the direction of the Engineer in-charge.	Mtr	800	50.00	Rupees Fifty only

Executive Engineer (Project)
Bruhat Ba...nagar Palike
Rajarajeshwari Nagar Zone
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145	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary b) 25mm dia 2mm thick, complete as per the direction of the Engineer in-charge.	Mtr	300	56.00	Rupees Fiftysix only
146	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary c) 32mm dia 2.5mm thick, complete as per the direction of the Engineer in-charge.	Mtr	20	88.00	Rupees Eighty eight only
147	Supplying heavy gauge pvc conduit pipe ...dia...mm thick with suitable size bends, metal Junction boxes adhesive paste etc..,by groove cutting in the wall and fixing by bracing U & J hooks and Cement plasteriing upto the wall surface and run wirh 18 SWG GI fish wire run throughout the conduit where ever necessary. a)19/ 20 mm dia 2mm thick, complete as per the direction of the Engineer in-charge.	Mtr	900	54.00	Rupees Fiftyfour only
148	Supplying heavy gauge pvc conduit pipe ...dia...mm thick with suitable size bends, metal Junction boxes adhesive paste etc..,by groove cutting in the wall and fixing by bracing U & J hooks and Cement plasteriing upto the wall surface and run wirh 18 SWG GI fish wire run throughout the conduit where ever necessary. b)25 mm dia 2mm thick, complete as per the direction of the Engineer in-charge.	Mtr	300	57.00	Rupees Fiftyseven only
149	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A. a) 1.5sqmm, complete as per the direction of the Engineer in-charge.	M	2000	30.00	Rupees thirty only
150	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A. b) 2.5sqmm, complete as per the direction of the Engineer in-charge.	M	3000	40.00	Rupees Fourty only
151	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A. c) 4sqmm, complete as per the direction of the Engineer in-charge.	M	1200	55.00	Rupees Fiftyfive only

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Brunat Bangalore Municipal
Rajarajeshwari Nagar Zone

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152	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.I - Single Door 8Way SP &N - complete as per the direction of the Engineer in-charge.	Each	4	1500.00	Rupees One thousand five hundred only
153	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door 6Way TP & N complete as per the direction of the Engineer in-charge.	Each	2	5000.00	Rupees Five thousand only
154	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker (ELMCB) 240/450V uoto 300mA sensitivity on exisiting wood/panel board. 32- 40 Amps 4 pole, complete as per the direction of the Engineer in-charge.	Each	1	3500.00	Rupees Three thousand five hundred only
155	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required. confirming to IEC 60898. A) 6-32A SP MCB complete as per the direction of the Engineer in-charge.	Each	25	456.00	Rupees Four hundred and fifty six only
156	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required. confirming to IEC 60898.B)6-32AMPS DP MCB complete as per the direction of the Engineer in-charge.	Each	2	955.00	Rupees Nine hundred and fiftyfive only
157	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required. confirming to IEC 60898.C)6-32AMPS TPN MCB complete as per the direction of the Engineer in-charge.	Each	1	1800.00	Rupees One thousand eight hundred only
158	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.-LED light fighting 1 x4'- 20/22 w complete as per the direction of the Engineer in-charge.	no	50	376.00	Rupees Three hundred and seventy six only
159	Supplying and fixing PBBC / bakelite straight or slant batten holder and wiring with 60W/230 VOLTS/18W CFL lamp, complete as per the direction of the Engineer in-charge.	Each	25	93.00	Rupees Ninetythree only

Contractor

Executive Engineer (Project)
Bruhat Bangalore Mahanagar Palike
Rajarajeshwari Nagar Zone
Executive Engineer

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160	Supplying and. fixing cast Aluminium round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp as required, complete as per the direction of the Engineer in-charge.	Each	5	1000.00	Rupees One thousand only
161	Supplying of recess mounting non integral type .....LED ..... W luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded fase ceiling clamps, Power LEDs with CCT 6500 degree K, CRI> 70%. efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, , THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/ CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition LED modular down light 2'x2' / 1' x 4' 34 -36watt, complete as per the direction of the Eng	no	10	525.00	Rupees Five hundred and twenty five only
162	Supply of round/square recess/surface mounted rolling type LED Down light with .....W GU 10 LED Lamp Rib Fabricated from Die cast aluminium with white powder coated prewired to mains connector & has swiveling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition, complete as per the direction of the Engineer in-charge.	Each	10	530.00	Rupees Five hundred and thirty only
163	Supplying of 1440rpm heavy duty eahust fan with bracket blades suitable for operate on 230V 50Hz, AC Supply complete. 12" sweep, complete as per the direction of the Engineer in-charge.	Each	10	2205.00	Rupees Two thousand two hundred and five only
164	Supplying capacitor type 48" sweep ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. single phase AC supply confirminf to ISS-374-1979 and with double ball bearing system. A) Economy Model, complete as per the direction of the Engineer in-charge.	Each	48	2195.00	Rupees Two thousand one hundred and ninety five only
165	Supplying capacitor type 48" sweep ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. single phase AC supply confirminf to ISS-374-1979 and with double ball bearing system.b)Reguler Model, complete as per the direction of the Engineer in-charge.	Each	5	2234.00	Rupees Two thousand two hundred and thirty four only

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Exec.Engineer(P)
Rajarajeshwari Nagar Zone

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166	Supplying wall mounting fan suitable to operate at single phase 230V AC Supply. 400mm sweep, complete as per the direction of the Engineer in-charge.	Each	2	2940.00	Rupees Two thousand nine hundred and forty only
167	Fixing all types and allcapacities fluorescent / false ceiling/spotlight/ LED fittings indoor on the wall/ ceiling/rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required nos of round blocks and clamps (if required) a)On wall/ceiling/Rafters/Girders, complete as per the direction of the Engineer in-charge.	Each	97	120.00	Rupees One hundred and twenty only
168	Fixing a ceiling/Wall mounting fan of all capacities and all types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring completely. complete as per the direction of the Engineer in-charge.	Each	65	158.00	Rupees Five hundred and fiftyeight only
169	Supplying and drawing PVC Flexible one pair telephone unarmoured tinned copper cable - 3 Pair complete as per the direction of the Engineer in-charge.	Rmt	1500	10.00	Rupees ten only
170	Supplying and drawing PVC Insulated Gas injected physical Foam jelly floaded co-Axial TV Cable RG-6, complete as per the direction of the Engineer in-charge.	Rmt	500	37.00	Rupees thirtyseven only
171	Supplying & Drawing UTP- CAT 6E-LAN Cable Group- A, complete as per the direction of the Engineer in-charge.	Rmt	2000	31.00	Rupees thirtyone only
172	Supplying & fixing of network switches. 24 Port Gigabyte (Manageable) , complete as per the direction of the Engineer in-charge.	Rmt	1	22000.00	Rupees twentytwo thousand only
173	Fabricating, supplying and erection of …Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for …….Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom …..mm, top….mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended. 6meters - Top 70mm and bottom 130mm dia, complete as per the direction of the Engineer in-charge.	Rmt	4	7147.00	Rupees Seven thousand one hundred and fortyseven only

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174	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of mainten	Each	4	3528.00	Rupees Three thousand five hundred and twentyeight only
175	Provision of 5 Kwh Solar plant, 4 volt 300 ah battary backup, 5 KW power conditioning unit with model mounting structure, cable & accessories (Centerlised solar lighting system for12 hour back up system) For Street lighting - complete as per the direction of the Engineer in-charge.	LS	1	300000.00	Rupees Three lakh only
176	Provision of 3 Kwh Solar plant, 4 volt 300 ah battary backup, 4 KW power conditioning unit with model mounting structure, cable & accessories (Centerlised solar lighting system for 5 hour back up system) complete as per the direction of the Engineer in-charge.	LS	1	195000.00	Rupees One lakh Ninetyfive thousand only
177	Geophysical investigation of site for sinking Bore - well for supplying drinking water to the habitation either through the Hand Pump, MWS or PWSS by vertical electrical sounding by adopting Veneer on Schlumbergers method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality quantity & accept - ability of the users indicating the location site, recommended depth of casing pipe required to seal the top unconsolidated formation, including an extra depth of 1.0 mtrs in consolidated formation for proper seating of casting depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personnel and labour required etc. complete as per the direction of the Engineer in-charge.	Each	1	3862.00	Rupees Three thousand eight hundred and sixty two only

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178	Sinking of Borewell of 165mm dia clear, using superfast Hydraulic of capacity 250 PSIG and above 900 CFM and above in all strata including over burden upto 20m fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of Rig & supporting vechicle, crew charges & cost of consumables etccomplete including yield testing and the final depth with a minimum working compressor for one hour (excluding cost of casting pipes, collars and cap etc.) 2.1)0.00 to 50.00 mtrs, complete as per the direction of the Engineer in-charge.	Rmt	50	364.00	Rupees Three hundred and sixty four only
179	Sinking of Borewell of 165mm dia clear, using superfast Hydraulic of capacity 250 PSIG and above 900 CFM and above in all strata including over burden upto 20m fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of Rig & supporting vechicle, crew charges & cost of consumables etccomplete including yield testing and the final depth with a minimum working compressor for one hour (excluding cost of casting pipes, collars and cap etc.)2.2)50.00 to 100.00mtrs, complete as per the direction of the Engineer in-charge.	Rmt	50	464.00	Rupees Four hundred and sixty four only
180	Sinking of Borewell of 165mm dia clear, using superfast Hydraulic of capacity 250 PSIG and above 900 CFM and above in all strata including over burden upto 20m fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of Rig & supporting vechicle, crew charges & cost of consumables etccomplete including yield testing and the final depth with a minimum working compressor for one hour (excluding cost of casting pipes, collars and cap etc.)2.3)100.00 to 150.00mtrs, complete as per the direction of the Engineer in-charge.	Rmt	50	464.00	Rupees Four hundred and sixty four only
181	Sinking of Borewell of 165mm dia clear, using superfast Hydraulic of capacity 250 PSIG and above 900 CFM and above in all strata including over burden upto 20m fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of Rig & supporting vechicle, crew charges & cost of consumables etccomplete including yield testing and the final depth with a minimum working compressor for one hour (excluding cost of casting pipes, collars and cap etc.)2.4)150.00 to 200.00mtrs, complete as per the direction of the Engineer in-charge.	Rmt	50	464.00	Rupees Four hundred and sixty four only

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182	Sinking of Borewell of 165mm dia clear, using superfast Hydraulic of capacity 250 PSIG and above 900 CFM and above in all strata including over burden upto 20m fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of Rig & supporting vechicle, crew charges & cost of consumables etccomplete including yield testing and the final depth with a minimum working compressor for one hour (excluding cost of casting pipes, collars and cap etc.)2.5)200 to 250.00mtrs, complete as per the direction of the Engineer in-charge.	Rmt	50	464.00	Rupees Four hundred and sixty four only
183	Sinking of Borewell of 165mm dia clear, using superfast Hydraulic of capacity 250 PSIG and above 900 CFM and above in all strata including over burden upto 20m fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of Rig & supporting vechicle, crew charges & cost of consumables etccomplete including yield testing and the final depth with a minimum working compressor for one hour (excluding cost of casting pipes, collars and cap etc.)2.6)250 to 300.00mtrs, complete as per the direction of the Engineer in-charge.	Rmt	50	464.00	Rupees Four hundred and sixty four only
184	Supply of ISI mark 175 mm nominal bore,plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, eletric resistence welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10Kg/mtr (inclusive of all taxes and duties). Prices including collar medium duty, complete as per the direction of the Engineer in-charge.	mtr	30	1391.00	Rupees One thousand three hundred and ninetyone only
185	Providing and fixing 175mm dia borewell cap medium class(MR), complete as per the direction of the Engineer in-charge.	nos	1	100.00	Rupees One hundred only
186	M.S. Casing pipe collars "B" class (MR), complete as per the direction of the Engineer in-charge.	nos	5	158.00	Rupees One hundred and fiftyeight only
187	Supply and delivery at site brand new submersible PUMPSET suitable for borewell of 150mm dai and having declared duty conditions as detailed below and satisfying performance characteristic for pump and motar as declared by Bureau of Indian Standards. The pump should confirm to IS 928 / 55 (with all its latest amendments) and should bear the ISI certification mark is 928/55. The pumpset should consist of bronze impellers, Discharge : 750 lph, Head L102.88 mts 10HP /7.5KW 20 Stage. ATLANTA,Suguna, CRI, Kirloskar or other equivalent pumps, complete as per the direction of the Engineer in-charge.	nos	1	52452.00	Rupees Fiftytwo thousand four hundred and fiftytwo only

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188	Supplying and drawing 3 core flat PVC sheathed Submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to table 3class 5 of IS :8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts.(Group B) -3C X 6.0Sq.mm, complete as per the direction of the Engineer in-charge.	Rmt	300	172.00	Rupees One hundred and seventy two only
189	Errection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair of supporting clams, borewell cap, cable clips with bolts, nuts, valve gauges etc., involved in the job. BWSSB, Letter BWSSB/CE(M)ACE(M)-II/TA-8/9194/2008-09 dated 21/1/09), complete as per the direction of the Engineer in-charge.	nos	1	3150.00	Rupees Three thousand one hundred and fifty only
190	Supplying and fixing 50mm GI Union. complete as per the direction of the Engineer in-charge.	nos	2	246.00	Rupees Two hundred and fortysix only
191	Supplying fully atutomatic star-delta Starter unit push button type with suitable wires, 3 contactosr, one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired afterfixing to the existing wooden board for motor 15.0 HP , complete as per the direction of the Engineer in-charge.	nos	1	8686.00	Rupees Eight thousand six hundred and eightysix only
192	Erection of single phase preventor ammeters/ including fixing selector switch/ current operated earth leakage circuit breakers voltage oerated earth leakage circuit breakers voltage operated circuit breaker/ above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including wiring using suitable capacity wires, bolts, nuts, screws etc, including transportation charges from stores to spot, complete as per the direction of the Engineer in-charge.	nos	1	165.00	Rupees One hundred and sixtyfive only
193	Fabricating, supplying and mounting 1200x900x350 mm MS box made out of 18 SWG suitable for floor/ wall mounting, fully weather proof with double stanted top as per drawing with provision for better heat dissipation provided with hinged front cover with clear clamped to the door on EB meter side to facilitate meter reading, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enameled metal plant etc, complete box of 36200 Sqcm, @ Rs.0.20 18 SWG, complete as per the direction of the Engineer in-charge.	nos	1	8260.00	Rupees Eight thousand two hundred and sixty only
194	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required - 40 to 63 amps triple pole , complete as per the direction of the Engineer in-charge.	nos	1	710.00	Rupees Seven hundred and ten only
195	Supplying andrunning of GI copper strip or grounding connection using necessary fixing material required 600x600c3mm GI plate, complete as per the direction of the Engineer in-charge.	nos	1	827.00	Rupees Eight hundred and twentyseven only

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196	Supplying and fixing Porcelain fuse channel with cut out on the existing wooden /panel using necessary nuts bolts and washer etc., complete.... - 16 Amps, complete as per the direction of the Engineer in-charge.	nos	3	126.00	Rupees One hundred and twentysix only
197	Providing and fixing in position brass gate valve with C.I. Wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. complete as per the direction of the Engineer in-charge.	Nos	1	1826.00	Rupees One thousand eight hundred and twentysix only
198	Supplying and laying of L.T.U.G cable having aluminium conductor PVC insulated shethed galvanised steel wire/steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 Sqmm PVC cable, complete as per the direction of the Engineer in-charge.	Mtr	25	147.00	Rupees One hundred and fortyseven only
199	Labour charges for Laying of 1.1 KV Class UG cable 6 Sqmm to 16 sqmm, complete as per the direction of the Engineer in-charge.	Mtr	25	11.00	Rupees Eleven only
200	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating in Hard soil etc., complete. complete as per specifications and direction of the Engineer-in-Charge	Mtr	20	80.00	Rupees Eighty only
201	Supplying and fixing Class-A (Medium duty) -GI pipe wall thickness not less than 3.25mm on pole/wall/Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 65mm, complete as per the direction of the Engineer in-charge.	Mtr	10	615.00	Rupees Six hundred and fifteen only
202	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled wiith necessary bitumen / insulating compound complete. With terminals, clamps, bolts nuts and washers etc.complete for 16 Sqmm as per specification , complete as per the direction of the Engineer in-charge.	Each	1	294.00	Rupees Two hundred and ninetyfour only
203	Providing and Installing at site work P.V.C Pipes Including cost of pipe and specials and Labour, including lowering into trenches, laying true to line level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe allround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., Complete, PVC pipes 63mmdia of 6kg/cm2, complete as per the direction of the Engineer in-charge.	Mtr	35	118.00	Rupees One hundred and eighteen only
204	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specificifictions.complete as per the direction of the Engineer in-charge.	Cum	11.81	140.00	Rupees One hundred and forty only
205	BESCOM charges & KEB Deposit, complete as per the direction of the Engineer in-charge.	Nos	1	18000.00	Rupees Eighteen thousand only

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206	Providing and applying Polymer based water proofing slurry having chemical resistance properties, capable of withstanding a Temperature of 200 DegC for Protective Negative coating for Water Dampness & seepages, comprising of Portland cement, Lime stone, Silica sand, Alumina cement, sodium aluminate in the form of powder composition at 3.30 kgs mixed with 1.0 liter of Acrylic emulsion, applied on 0.64 Sqm area/liter of slurry on a cleaned surface free of loose materials etc, complete on all masonry structures, overhead tank, sump tank, water closet areas, sunken slab and other such areas, filling tile joints, capable of Self curing within 3 to 4 hours of its application in normal atmospheric condition, including cost of all materials, labour charges, HOM etc., complete. complete as per the direction of the Engineer in-charge.	Sqm	43.5	3137.00	Rupees Three thousand one hundred and thirtyseven only
207	Providing and fixing Sump cover of size 610X455mm of 38kg weight including with all lead & lift, loading & unloading, cost of materials and other incidental charges etc., complete as per specification and as per the directions by the Engineer in charge of the work. complete as per the direction of the Engineer in-charge.	Each	1	2402.00	Rupees Two thousand four hundred and two only
208	Providing 20mm square PVC Encapsulated SS Rungs and fixing in sump with M10 cement concrete block of 20*20*10 cms, using 20mm and down size metal of size including cost of materials, labour charges,curing etc. complete as per the direction of the Engineer in-charge.	Each	3	350.00	Rupees Three hundred and fifty only
209	Provision of 5 H P /3.7 KW 10 Stage ATLANTA / SUGUNA /CRI/KIRLOSKAR/and other equavalent three phase submersible pump for Sunp tank. complete as per the direction of the Engineer in-charge.	Each	1	31264.00	Rupees Thirtyone thousand two hundred ad sixtyfour only
210	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification. complete as per the direction of the Engineer in-charge.	Sqm	60	5402.50	Rupees Five thousand four hundred and two and Ps fifty only

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211	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should bethoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. complete as per the direction of the Engineer in-charge.	Sqm	22.5	5000.00	Rupees Five thousand only
212	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification complete as per the direction of the Engineer in-charge.	Cum	84.4	650.00	Rupees Six hundred and fifty only
213	Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications.	Sqm	9.6	6200.00	Rupees Six thousand two hundred only
214	Providing and dual desks & benchs (BBMP Approved rate) Ground Floor, complete as per the direction of the Engineer in-charge.	Each	96	5500.00	Rupees Five thousand five hundred only
215	Providing and dual desks & benchs (BBMP Approved rate) First Floor, complete as per the direction of the Engineer in-charge.	Each	108	5500.00	Rupees Five thousand five hundred only
216	Providing and dual desks & benchs (BBMP Approved rate) Second Floor, complete as per the direction of the Engineer in-charge.	Each	120	5500.00	Rupees Five thousand five hundred only

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217	Providing and dual desks & benchs (BBMP Approved rate) Third Floor, complete as per the direction of the Engineer in-charge.	Each	15	5500.00	Rupees Five thousand five hundred only
218	Providing and fixing meeting table consisting of 25 mm thick PLPB table top edge bounded, 25 mm thick PLPB with edge bonded End table,18 mm thick PLPB with edge bonded Modesty, Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge 2400 mm Dia X1200 mm D X 750 mm Ht (12 seater) complete as per the direction of the Engineer in-charge.	Nos	1	22000.00	Rupees twenty two thousand only
219	Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bonded End table,18 mm thick PLPB with edge bonded Modesty, Wire manager - ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht. complete as per the direction of the Engineer in-charge.	Nos	1	15000.00	Rupees Fifteen thousand only
220	Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bonded End table,18 mm thick PLPB with edge bonded Modesty, Wire manager - ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge A)1500 mmW x 600mm D x 750 mm ht (Main table and Side table with Post formed table top for Staff Room, complete as per the direction of the Engineer in-charge.	Nos	16	9000.00	Rupees Nine thousand only
221	Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bonded End table,18 mm thick PLPB with edge bonded Modesty, Wire manager - ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge b)1500 mmW x 540mm D x 750 mm ht (Main table with Post formed table top for class room, complete as per the direction of the Engineer in-charge.	Nos	28	9000.00	Rupees Nine thousand only

Signature of the ~~Contra~~ctor

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Executive Engineer (Project)
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